

ABSTRACT OF THE DISCLOSURE

A low-noise air moving motor assembly includes a motor assembly having a rotatable shaft, a fan assembly coupled to the rotatable shaft which generates an airflow that passes over at least a portion of the motor assembly. A self-extinguishing flame and noise suppression sleeve is at least partially disposed around the motor assembly. Ideally, the sleeve is a 94 V-0 rated foam material. The fan assembly includes a fan secured to the shaft, a diffuser/bracket assembly coupled to the motor assembly which rotatably receives the shaft. A fan shroud is secured to the diffuser/bracket assembly, wherein rotation of the fan draws air in through the fan shroud and out the diffuser/bracket assembly, the diffuser/bracket assembly having at least one foam piece coupled to curvilinear vanes reduce the noise of air flowing therethrough.